

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\  
 Data File : VL036667.D  
 Acq On : 3 Apr 2021 5:15  
 Operator : SY/AP  
 Sample : M1834-01 1200X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 3  
 Start Thrs: 0.001  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 0

Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 2.854    | 9          | 21       | 47        | rBV   | 1970393     | 3932161    | 1.23%        | 0.113%     |
| 2      | 3.185    | 112        | 124      | 148       | rBV   | 26314312    | 65876376   | 20.55%       | 1.900%     |
| 3      | 3.285    | 148        | 155      | 161       | rVV   | 5635000     | 9175650    | 2.86%        | 0.265%     |
| 4      | 3.333    | 161        | 170      | 191       | rVV   | 41518888    | 124860840  | 38.95%       | 3.602%     |
| 5      | 3.407    | 191        | 193      | 264       | rVB2  | 9982873     | 24030944   | 7.50%        | 0.693%     |
| 6      | 3.857    | 317        | 333      | 390       | rBV   | 70624582    | 320580744  | 100.00%      | 9.248%     |
| 7      | 4.073    | 390        | 400      | 405       | rVV   | 8263897     | 15876975   | 4.95%        | 0.458%     |
| 8      | 4.124    | 405        | 416      | 462       | rVV   | 47516205    | 178404135  | 55.65%       | 5.147%     |
| 9      | 4.292    | 462        | 468      | 478       | rVV3  | 1681261     | 3851260    | 1.20%        | 0.111%     |
| 10     | 4.365    | 478        | 491      | 544       | rVV   | 35086135    | 92742200   | 28.93%       | 2.675%     |
| 11     | 4.594    | 544        | 562      | 622       | rVB   | 25780909    | 68194364   | 21.27%       | 1.967%     |
| 12     | 4.925    | 635        | 665      | 687       | rBV5  | 1158587     | 3922122    | 1.22%        | 0.113%     |
| 13     | 5.063    | 687        | 708      | 716       | rVV4  | 46402682    | 132725002  | 41.40%       | 3.829%     |
| 14     | 5.115    | 716        | 724      | 725       | rVV4  | 56387715    | 77013476   | 24.02%       | 2.222%     |
| 15     | 5.121    | 725        | 726      | 788       | rVV2  | 56687582    | 125198439  | 39.05%       | 3.612%     |
| 16     | 5.382    | 788        | 807      | 824       | rVV   | 42129970    | 130257659  | 40.63%       | 3.758%     |
| 17     | 5.452    | 824        | 829      | 873       | rVB2  | 8657218     | 20290873   | 6.33%        | 0.585%     |
| 18     | 5.700    | 879        | 906      | 934       | rBV   | 38962096    | 122790284  | 38.30%       | 3.542%     |
| 19     | 5.828    | 934        | 946      | 961       | rVV   | 19917927    | 48872579   | 15.25%       | 1.410%     |
| 20     | 5.912    | 961        | 972      | 990       | rVV2  | 12248385    | 29977038   | 9.35%        | 0.865%     |
| 21     | 6.115    | 1018       | 1035     | 1056      | rBV   | 14890803    | 35806355   | 11.17%       | 1.033%     |
| 22     | 6.227    | 1056       | 1070     | 1084      | rVV2  | 6682969     | 17143399   | 5.35%        | 0.495%     |
| 23     | 6.356    | 1084       | 1110     | 1147      | rVV2  | 41352181    | 198167310  | 61.82%       | 5.717%     |
| 24     | 6.520    | 1147       | 1161     | 1189      | rVB   | 5645931     | 14190054   | 4.43%        | 0.409%     |
| 25     | 6.732    | 1208       | 1227     | 1243      | rVB4  | 1394751     | 4251694    | 1.33%        | 0.123%     |
| 26     | 6.832    | 1243       | 1258     | 1266      | rBV   | 6585232     | 14447208   | 4.51%        | 0.417%     |
| 27     | 6.886    | 1266       | 1275     | 1295      | rVV2  | 12403982    | 32917024   | 10.27%       | 0.950%     |
| 28     | 6.989    | 1295       | 1307     | 1318      | rVV   | 5280459     | 13969515   | 4.36%        | 0.403%     |
| 29     | 7.044    | 1318       | 1324     | 1337      | rVV2  | 2446969     | 5536487    | 1.73%        | 0.160%     |
| 30     | 7.134    | 1337       | 1352     | 1372      | rVV3  | 13237047    | 42709966   | 13.32%       | 1.232%     |
| 31     | 7.266    | 1372       | 1393     | 1405      | rVV2  | 30486196    | 104649596  | 32.64%       | 3.019%     |
| 32     | 7.343    | 1405       | 1417     | 1441      | rVV   | 34865735    | 109195819  | 34.06%       | 3.150%     |
| 33     | 7.500    | 1441       | 1466     | 1514      | rVB3  | 34306478    | 115906677  | 36.16%       | 3.344%     |
| 34     | 7.722    | 1516       | 1535     | 1545      | rBV2  | 11692368    | 31739556   | 9.90%        | 0.916%     |

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## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON Filtering: 5  
 Sampling : 3 Min Area: 3 % of largest Peak  
 Start Thrs: 0.001 Max Peaks: 100  
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 0

Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021

|    |        |      |      |      |      |          |           |        |        |
|----|--------|------|------|------|------|----------|-----------|--------|--------|
| 35 | 7.796  | 1545 | 1558 | 1569 | rVV5 | 12574870 | 41272996  | 12.87% | 1.191% |
| 36 | 7.922  | 1569 | 1597 | 1613 | rVV2 | 52615299 | 253636032 | 79.12% | 7.317% |
| 37 | 7.992  | 1613 | 1619 | 1636 | rVB2 | 2780427  | 5940243   | 1.85%  | 0.171% |
| 38 | 8.137  | 1646 | 1664 | 1674 | rBV2 | 23775426 | 60215780  | 18.78% | 1.737% |
| 39 | 8.195  | 1674 | 1682 | 1709 | rVB5 | 11986238 | 31541239  | 9.84%  | 0.910% |
| 40 | 8.324  | 1709 | 1722 | 1733 | rBV2 | 1713095  | 3670302   | 1.14%  | 0.106% |
| 41 | 8.397  | 1733 | 1745 | 1757 | rVV2 | 3177678  | 7163338   | 2.23%  | 0.207% |
| 42 | 8.484  | 1757 | 1772 | 1780 | rVV3 | 3266036  | 8541994   | 2.66%  | 0.246% |
| 43 | 8.526  | 1780 | 1785 | 1804 | rVB2 | 2161773  | 4370549   | 1.36%  | 0.126% |
| 44 | 8.783  | 1845 | 1865 | 1866 | rBV3 | 6889620  | 13292456  | 4.15%  | 0.383% |
| 45 | 8.822  | 1866 | 1877 | 1917 | rVB2 | 14356108 | 47036048  | 14.67% | 1.357% |
| 46 | 9.053  | 1917 | 1949 | 1960 | rBV  | 20492021 | 59323829  | 18.51% | 1.711% |
| 47 | 9.127  | 1960 | 1972 | 2006 | rVV4 | 24661012 | 91692623  | 28.60% | 2.645% |
| 48 | 9.356  | 2027 | 2043 | 2061 | rBV4 | 4807433  | 13151087  | 4.10%  | 0.379% |
| 49 | 9.571  | 2086 | 2110 | 2114 | rBV5 | 1656819  | 4513187   | 1.41%  | 0.130% |
| 50 | 9.655  | 2114 | 2136 | 2165 | rVV2 | 36188765 | 128048189 | 39.94% | 3.694% |
| 51 | 9.819  | 2165 | 2187 | 2204 | rVV  | 39769664 | 125680222 | 39.20% | 3.626% |
| 52 | 9.922  | 2204 | 2219 | 2233 | rVV  | 15758268 | 42411009  | 13.23% | 1.223% |
| 53 | 9.970  | 2233 | 2234 | 2247 | rVV4 | 2088599  | 3292882   | 1.03%  | 0.095% |
| 54 | 10.057 | 2247 | 2261 | 2271 | rVV2 | 11004711 | 26632534  | 8.31%  | 0.768% |
| 55 | 10.111 | 2271 | 2278 | 2294 | rVV3 | 6027851  | 13296954  | 4.15%  | 0.384% |
| 56 | 10.204 | 2294 | 2307 | 2320 | rVV  | 3421764  | 8256566   | 2.58%  | 0.238% |
| 57 | 10.295 | 2320 | 2335 | 2346 | rVV2 | 10697779 | 27547353  | 8.59%  | 0.795% |
| 58 | 10.336 | 2346 | 2348 | 2368 | rVB5 | 3329424  | 6813621   | 2.13%  | 0.197% |
| 59 | 10.484 | 2380 | 2394 | 2405 | rBV4 | 3029811  | 7349046   | 2.29%  | 0.212% |
| 60 | 10.629 | 2422 | 2439 | 2464 | rVB  | 13119536 | 35471172  | 11.06% | 1.023% |
| 61 | 10.774 | 2464 | 2484 | 2495 | rBV4 | 1755546  | 4588854   | 1.43%  | 0.132% |
| 62 | 11.076 | 2564 | 2578 | 2597 | rVB6 | 3133805  | 7970134   | 2.49%  | 0.230% |
| 63 | 11.301 | 2627 | 2648 | 2656 | rBV3 | 1745753  | 4516839   | 1.41%  | 0.130% |
| 64 | 11.622 | 2728 | 2748 | 2761 | rBV2 | 1901661  | 4836017   | 1.51%  | 0.140% |
| 65 | 11.812 | 2790 | 2807 | 2824 | rVB4 | 1309735  | 3320230   | 1.04%  | 0.096% |
| 66 | 12.073 | 2874 | 2888 | 2907 | rVV  | 4752685  | 12660967  | 3.95%  | 0.365% |
| 67 | 12.217 | 2907 | 2933 | 2957 | rVV5 | 1740078  | 7013971   | 2.19%  | 0.202% |
| 68 | 14.394 | 3591 | 3610 | 3648 | rBV2 | 4668432  | 12155463  | 3.79%  | 0.351% |

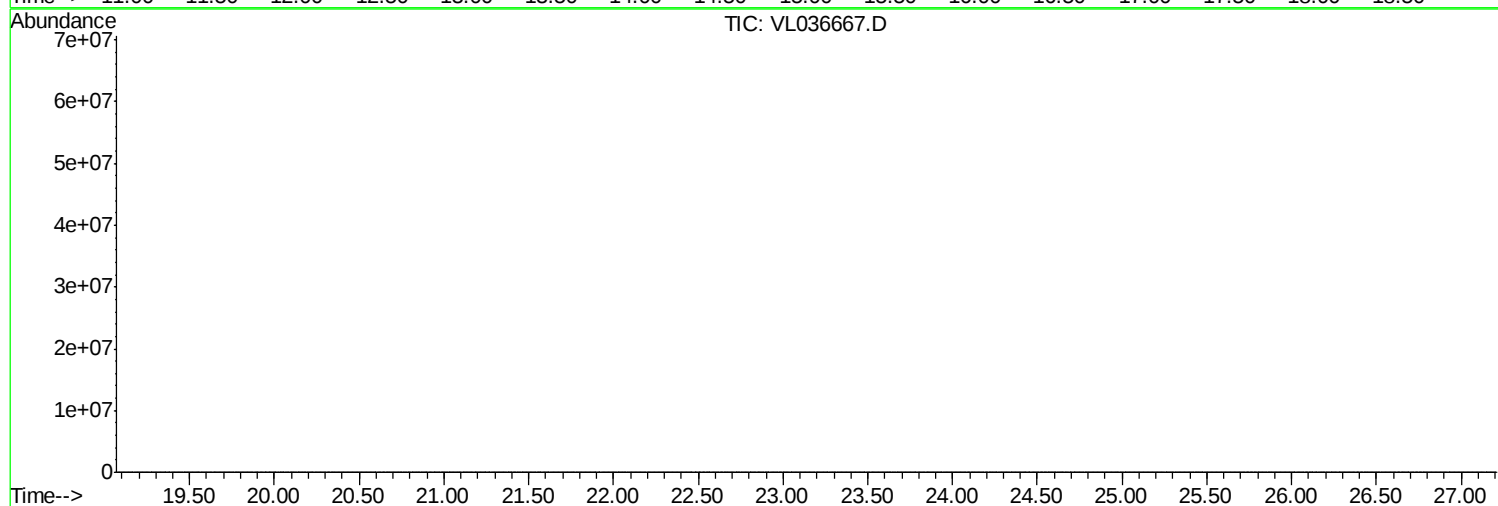
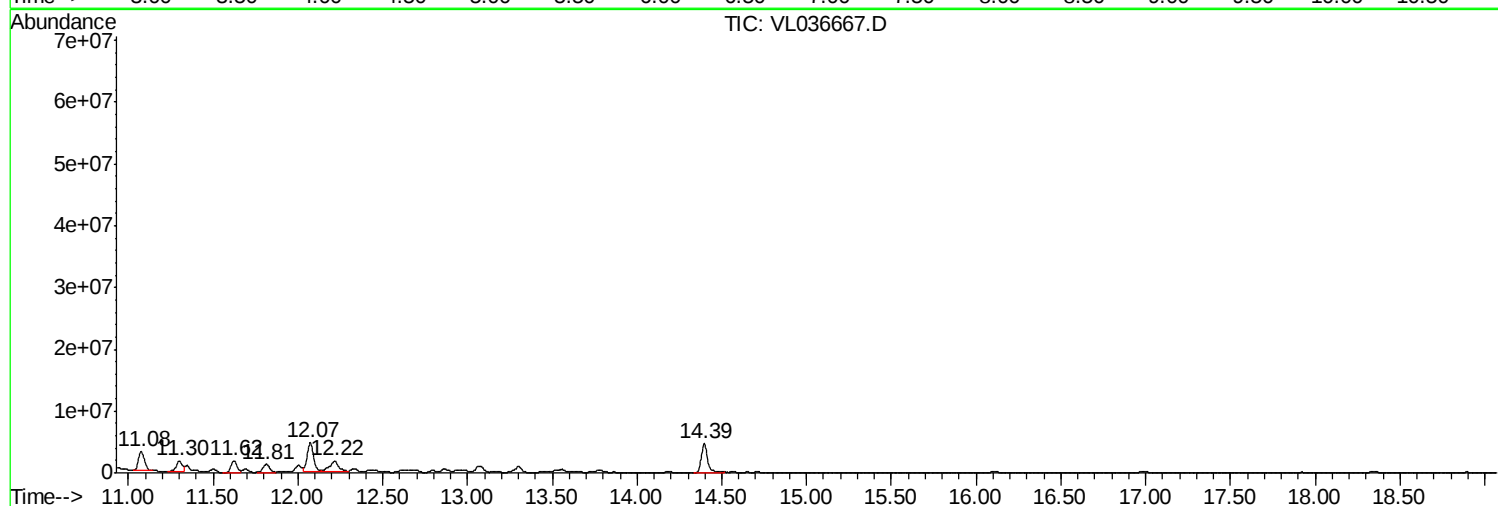
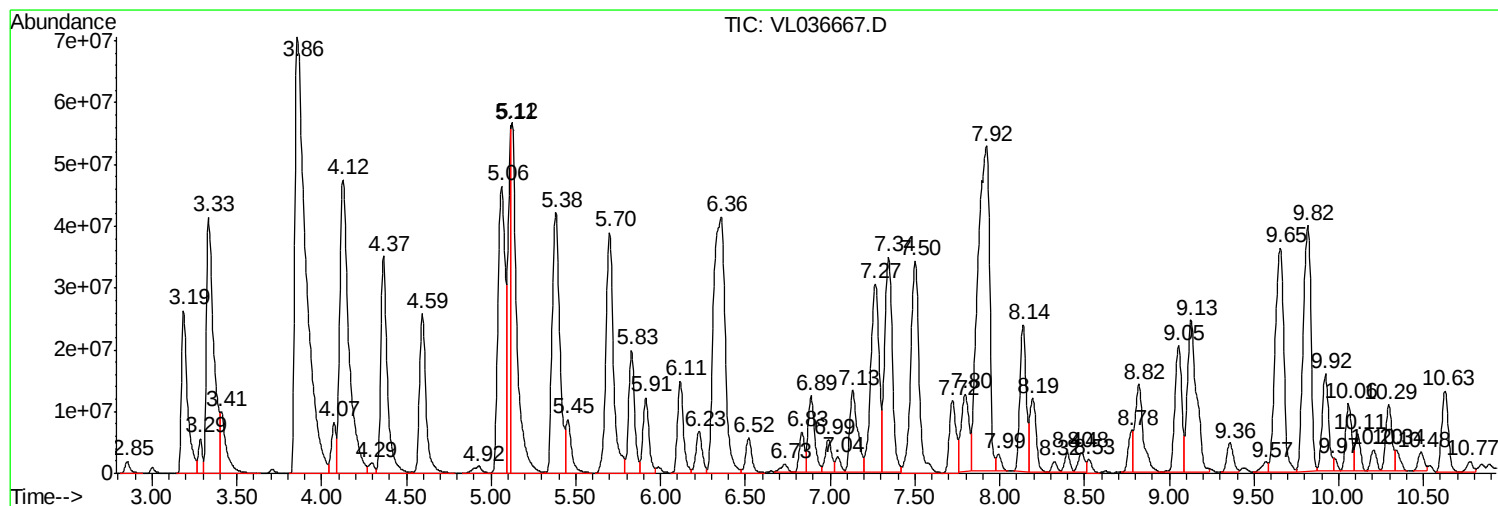
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Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampled :  
SV1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\  
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Misc : 400mL/MSVOA L  
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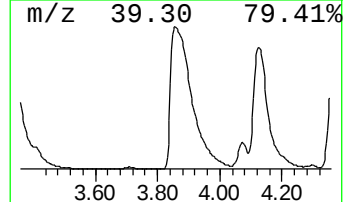
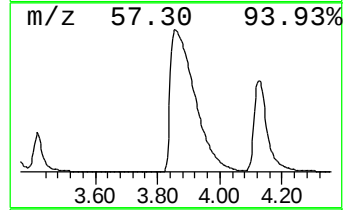
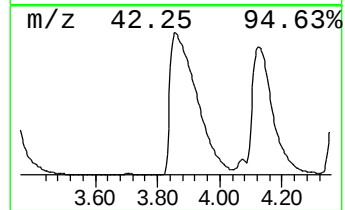
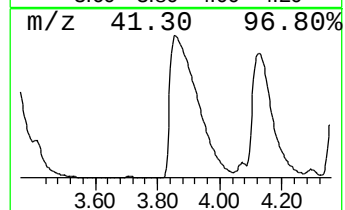
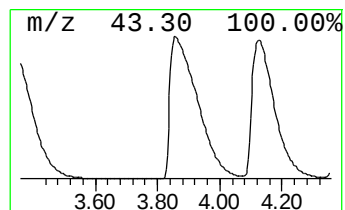
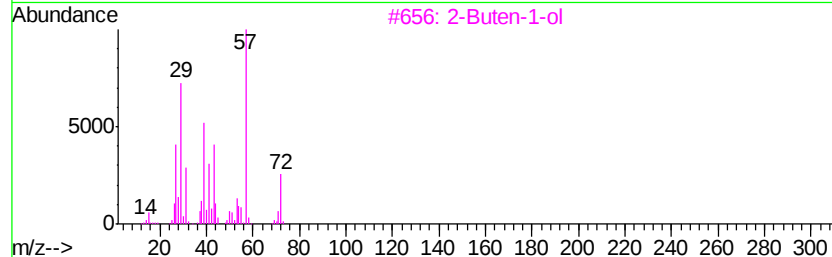
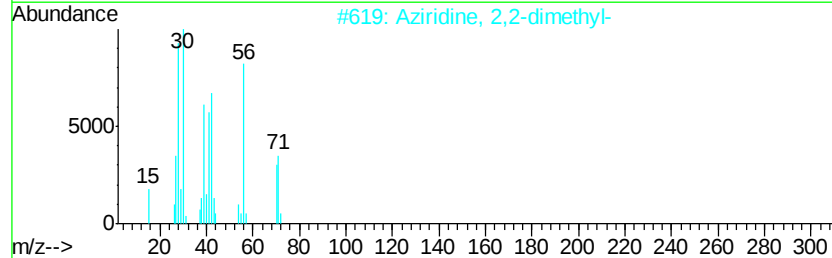
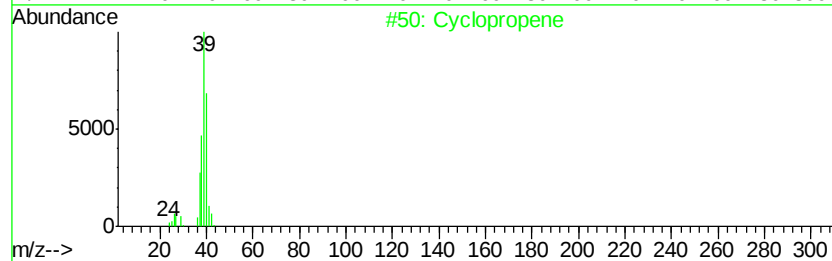
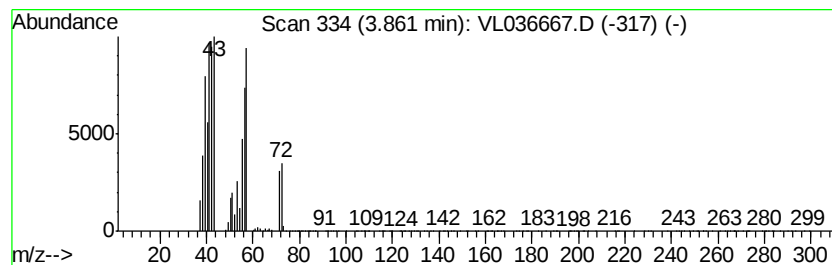
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Cyclopropene Concentration Rank 5

| R.T.      | EstConc                  | Area      | Relative to ISTD   | R.T.        |      |
|-----------|--------------------------|-----------|--------------------|-------------|------|
| 3.86      | 26.11 ppbv               | 320581000 | Bromochloromethane | 5.65        |      |
| Hit# of 5 | Tentative ID             | MW        | MolForm            | CAS#        | Qual |
| 1         | Cvclopropene             | 40        | C3H4               | 002781-85-3 | 50   |
| 2         | Aziridine, 2,2-dimethyl- | 71        | C4H9N              | 002658-24-4 | 38   |
| 3         | 2-Buten-1-ol             | 72        | C4H8O              | 006117-91-5 | 38   |
| 4         | 2-Propen-1-ol, 2-methyl- | 72        | C4H8O              | 000513-42-8 | 38   |
| 5         | Oxirane, ethyl-          | 72        | C4H8O              | 000106-88-7 | 38   |



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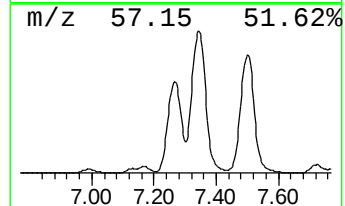
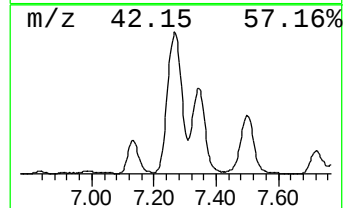
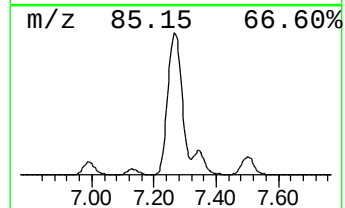
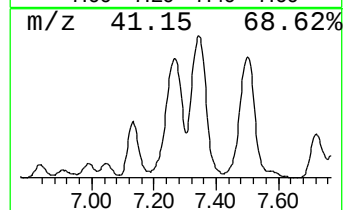
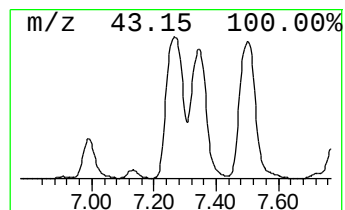
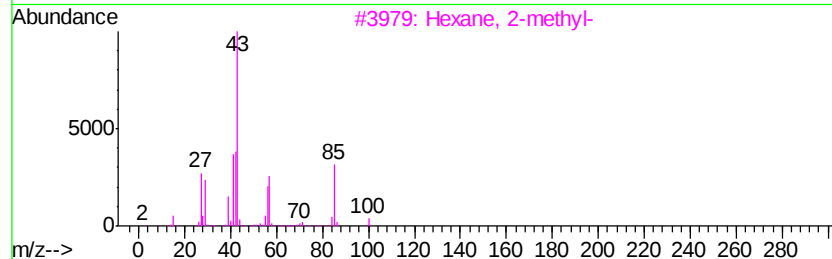
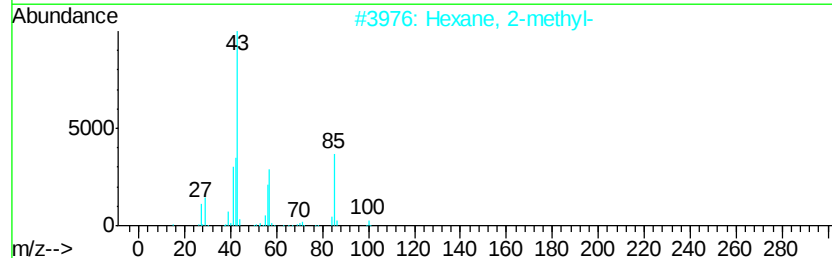
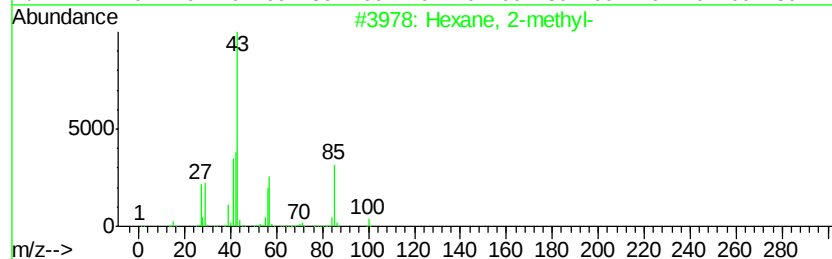
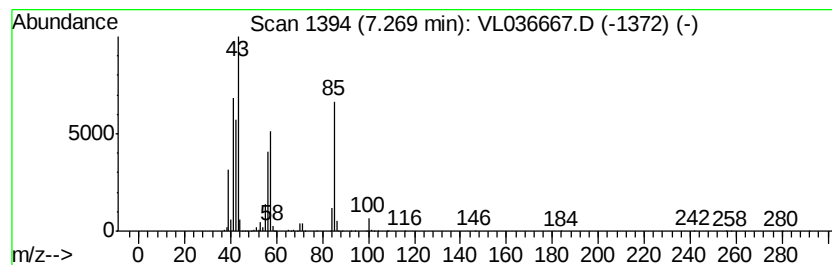
Instrument :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Hexane, 2-methyl- Concentration Rank 7

| R.T.    | EstConc                | Area         | Relative to ISTD    | R.T.      |
|---------|------------------------|--------------|---------------------|-----------|
| 7.27    | 24.50 ppbv             | 104650000    | 1,4-Difluorobenzene | 7.17      |
| Hit# of | 5                      | Tentative ID | MW MolForm          | CAS# Qual |
| 1       | Hexane, 2-methyl-      | 100 C7H16    | 000591-76-4         | 87        |
| 2       | Hexane, 2-methyl-      | 100 C7H16    | 000591-76-4         | 87        |
| 3       | Hexane, 2-methyl-      | 100 C7H16    | 000591-76-4         | 87        |
| 4       | Pentane, 2,4-dimethyl- | 100 C7H16    | 000108-08-7         | 64        |
| 5       | Hexane, 1,1'-oxybis-   | 186 C12H26O  | 000112-58-3         | 53        |



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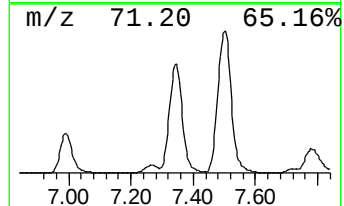
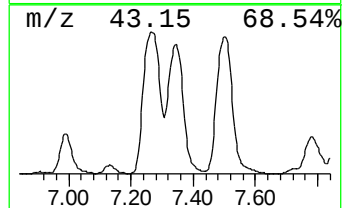
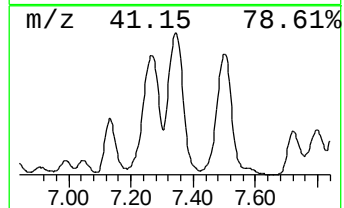
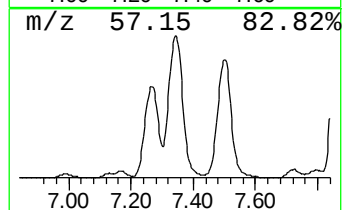
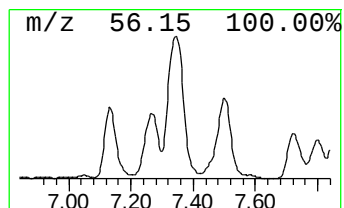
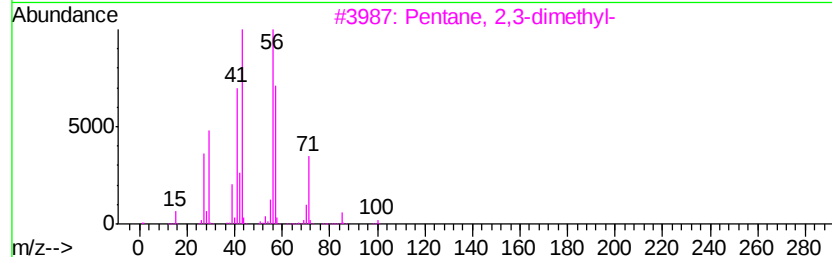
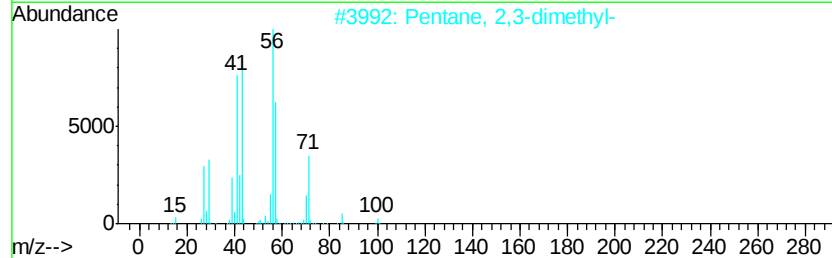
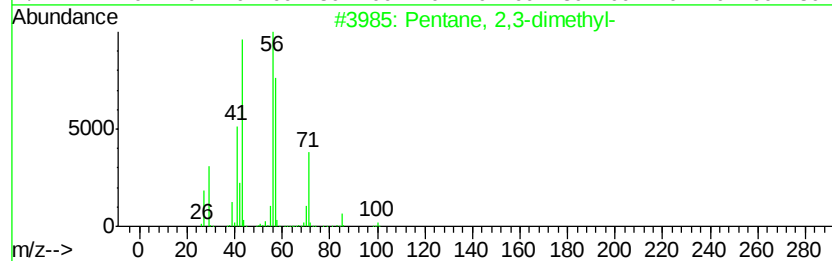
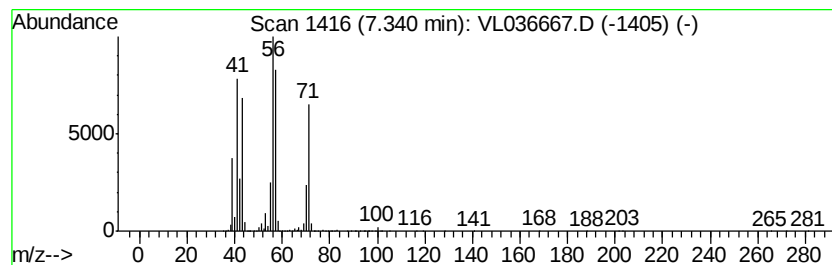
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Pentane, 2,3-dimethyl- Concentration Rank 6

| R.T. | EstConc    | Area      | Relative to ISTD    | R.T. |
|------|------------|-----------|---------------------|------|
| 7.34 | 25.57 ppbv | 109196000 | 1,4-Difluorobenzene | 7.17 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2,3-dimethyl-       | 100 | C7H16   | 000565-59-3 | 64   |
| 2    |    | Pentane, 2,3-dimethyl-       | 100 | C7H16   | 000565-59-3 | 59   |
| 3    |    | Pentane, 2,3-dimethyl-       | 100 | C7H16   | 000565-59-3 | 59   |
| 4    |    | Pentane, 2,3-dimethyl-       | 100 | C7H16   | 000565-59-3 | 50   |
| 5    |    | Hexane, 2,2,5,5-tetramethyl- | 142 | C10H22  | 001071-81-4 | 45   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\  
Data File : VL036667.D  
Acq On : 3 Apr 2021 5:15  
Operator : SY/AP  
Sample : M1834-01 1200X  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampled :  
SV1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021

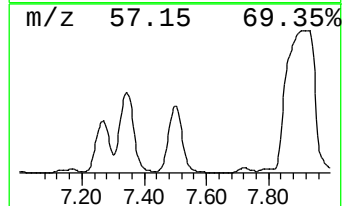
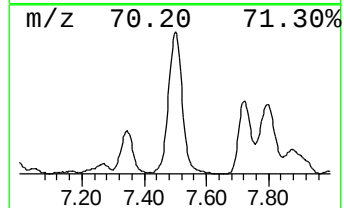
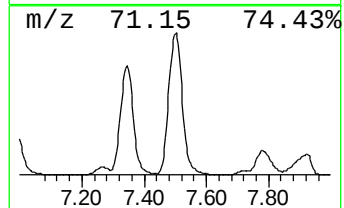
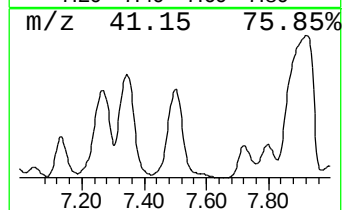
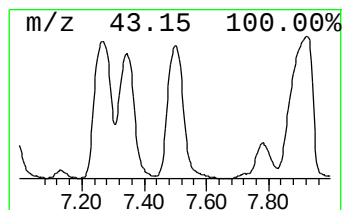
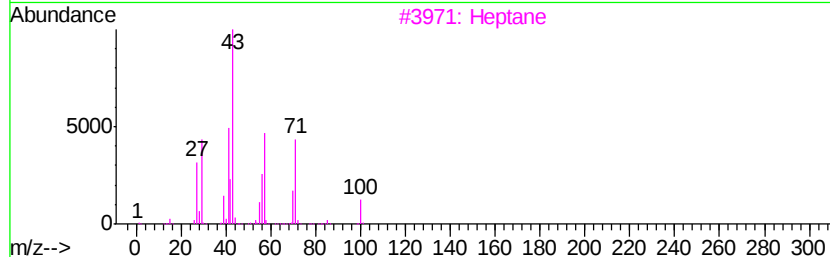
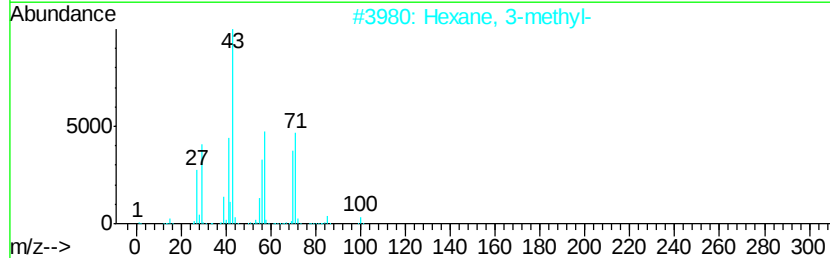
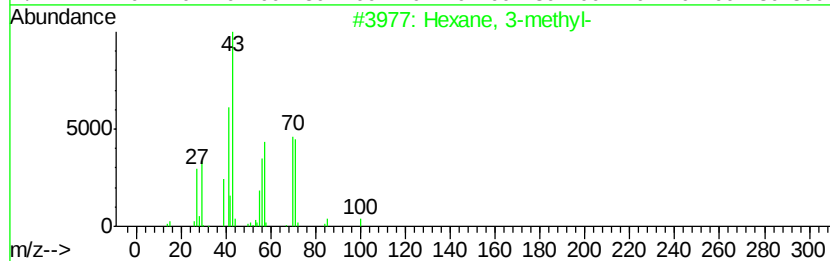
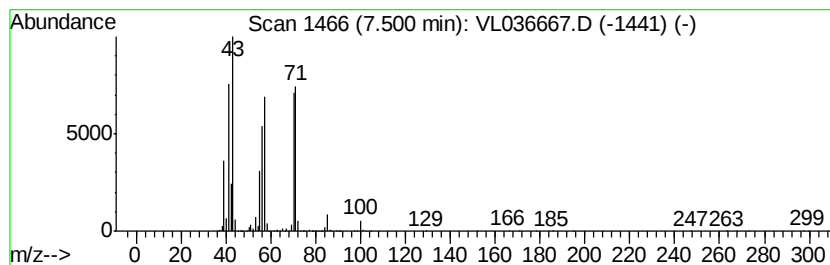
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Hexane, 3-methyl- Concentration Rank 4

| R.T. | EstConc    | Area      | Relative to ISTD    | R.T. |
|------|------------|-----------|---------------------|------|
| 7.50 | 27.14 ppbv | 115907000 | 1,4-Difluorobenzene | 7.17 |

| Hit# of | 5                 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------|--------------|-----|---------|-------------|------|
| 1       | Hexane, 3-methyl- |              | 100 | C7H16   | 000589-34-4 | 93   |
| 2       | Hexane, 3-methyl- |              | 100 | C7H16   | 000589-34-4 | 83   |
| 3       | Heptane           |              | 100 | C7H16   | 000142-82-5 | 80   |
| 4       | Hexane, 3-methyl- |              | 100 | C7H16   | 000589-34-4 | 74   |
| 5       | Heptane           |              | 100 | C7H16   | 000142-82-5 | 72   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\  
Data File : VL036667.D  
Acq On : 3 Apr 2021 5:15  
Operator : SY/AP  
Sample : M1834-01 1200X  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021

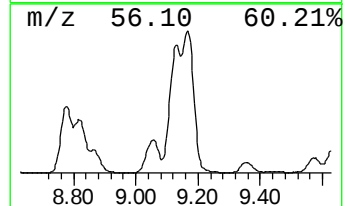
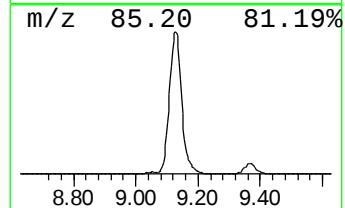
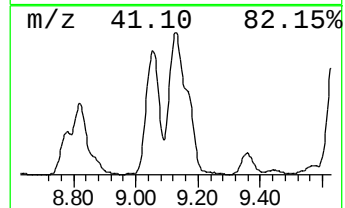
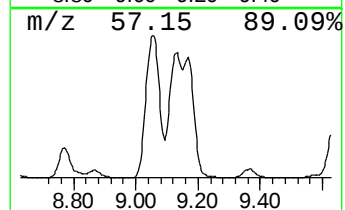
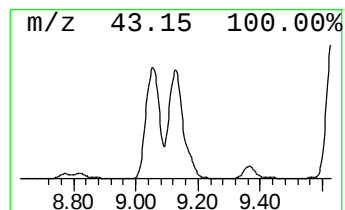
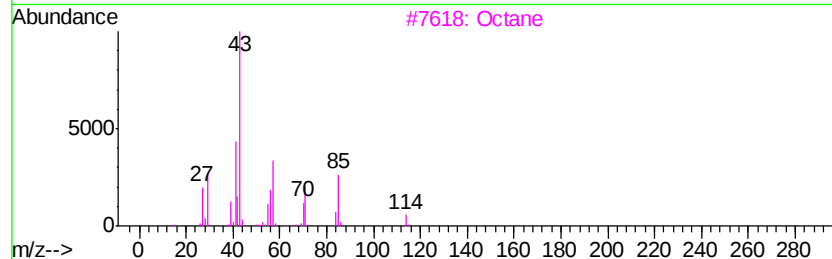
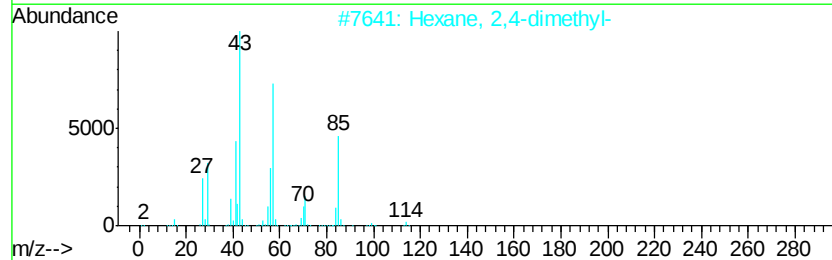
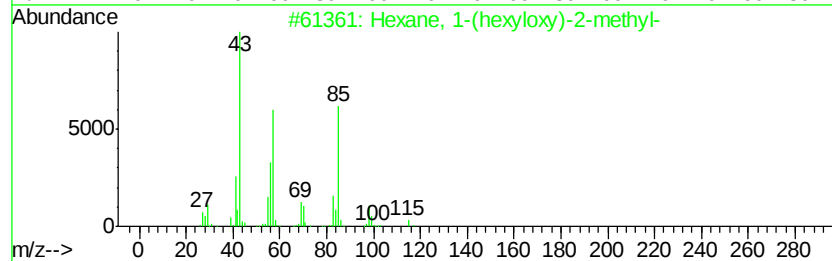
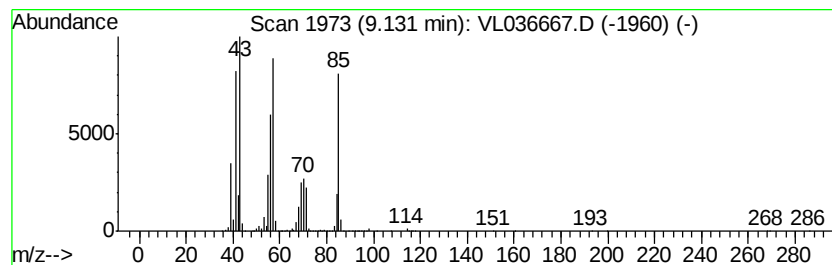
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Hexane, 1-(hexyloxy)-2-methyl- Concentration Rank 9

| R.T. | EstConc    | Area     | Relative to ISTD    | R.T. |
|------|------------|----------|---------------------|------|
| 9.13 | 21.47 ppbv | 91692600 | 1,4-Difluorobenzene | 7.17 |

| Hit# | of                             | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|--------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | Hexane, 1-(hexyloxy)-2-methyl- | 200 | C13H28O      | 074421-17-3 | 64      |      |      |
| 2    | Hexane, 2,4-dimethyl-          | 114 | C8H18        | 000589-43-5 | 64      |      |      |
| 3    | Octane                         | 114 | C8H18        | 000111-65-9 | 59      |      |      |
| 4    | Heptane, 2,4-dimethyl-         | 128 | C9H20        | 002213-23-2 | 53      |      |      |
| 5    | Hexane, 1,1'-oxybis-           | 186 | C12H26O      | 000112-58-3 | 53      |      |      |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\  
Data File : VL036667.D  
Acq On : 3 Apr 2021 5:15  
Operator : SY/AP  
Sample : M1834-01 1200X  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021

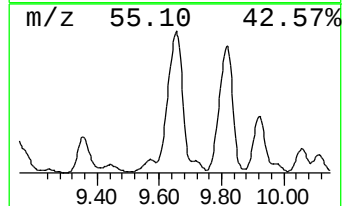
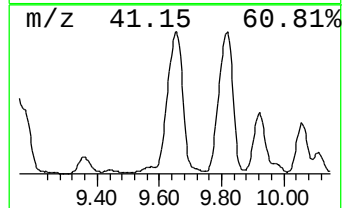
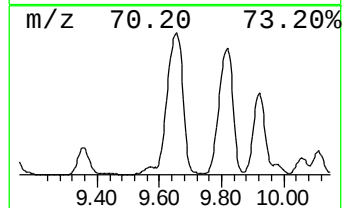
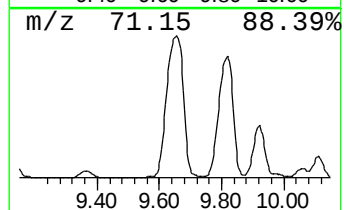
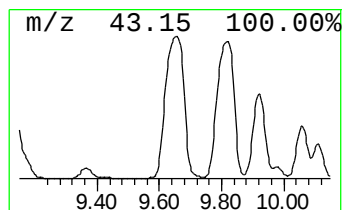
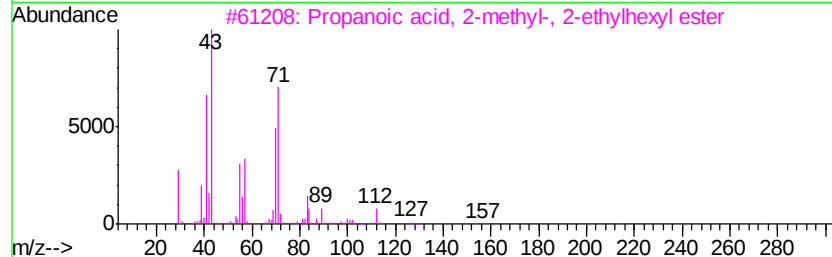
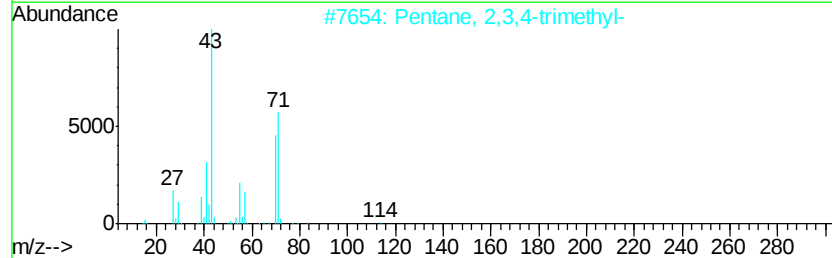
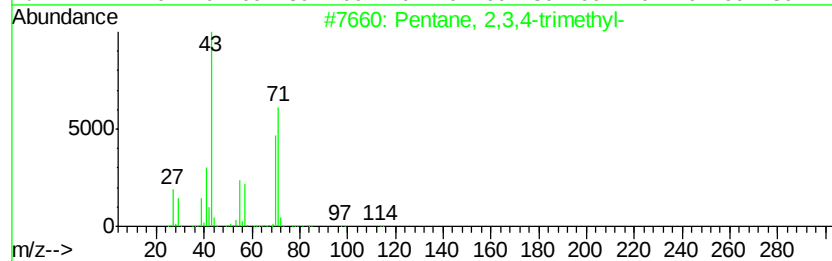
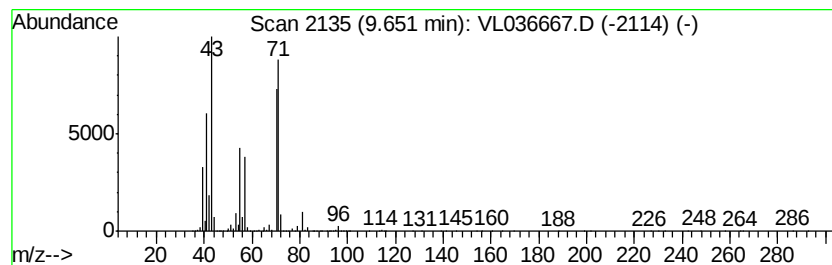
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Pentane, 2,3,4-trimethyl- Concentration Rank 1

| R.T. | EstConc     | Area      | Relative to ISTD | R.T.  |
|------|-------------|-----------|------------------|-------|
| 9.65 | 101.14 ppbv | 128048000 | Chlorobenzene-d5 | 12.07 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Pentane, 2,3,4-trimethyl-           | 114 | C8H18    | 000565-75-3 | 87   |
| 2    |    | Pentane, 2,3,4-trimethyl-           | 114 | C8H18    | 000565-75-3 | 80   |
| 3    |    | Propanoic acid, 2-methyl-, 2-eth... | 200 | C12H24O2 | 035061-61-1 | 78   |
| 4    |    | Pentane, 2,3,4-trimethyl-           | 114 | C8H18    | 000565-75-3 | 72   |
| 5    |    | Decane, 3,3,4-trimethyl-            | 184 | C13H28   | 049622-18-6 | 72   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\  
Data File : VL036667.D  
Acq On : 3 Apr 2021 5:15  
Operator : SY/AP  
Sample : M1834-01 1200X  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021

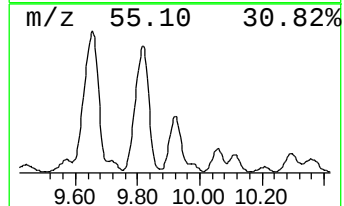
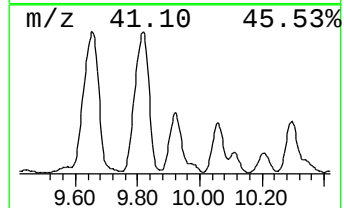
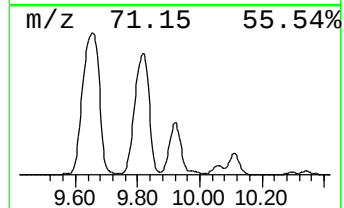
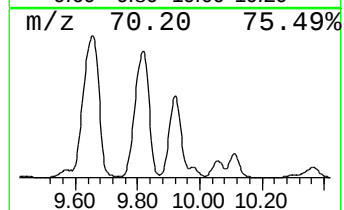
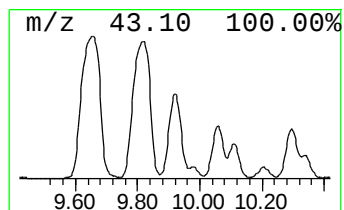
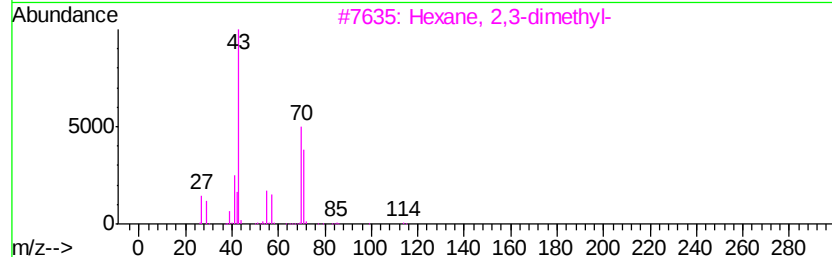
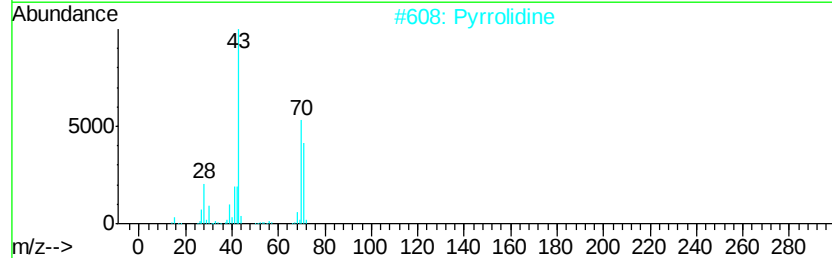
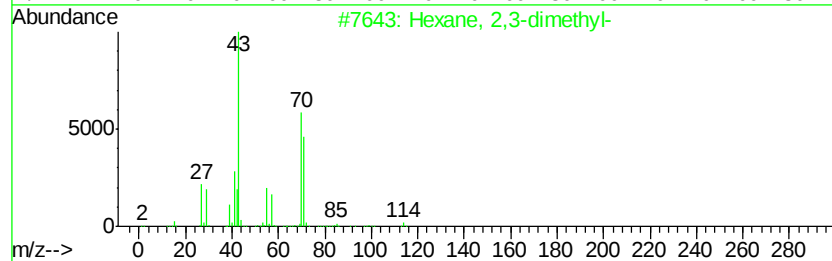
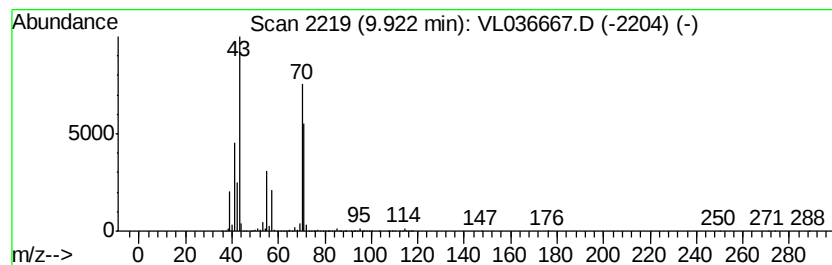
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Hexane, 2,3-dimethyl- Concentration Rank 2

| R.T. | EstConc    | Area     | Relative to ISTD | R.T.  |
|------|------------|----------|------------------|-------|
| 9.92 | 33.50 ppbv | 42411000 | Chlorobenzene-d5 | 12.07 |

| Hit# of | 5                     | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-----------------------|--------------|-----|---------|-------------|------|
| 1       | Hexane, 2,3-dimethyl- |              | 114 | C8H18   | 000584-94-1 | 91   |
| 2       | Pyrrolidine           |              | 71  | C4H9N   | 000123-75-1 | 86   |
| 3       | Hexane, 2,3-dimethyl- |              | 114 | C8H18   | 000584-94-1 | 80   |
| 4       | Heptane, 4-methyl-    |              | 114 | C8H18   | 000589-53-7 | 78   |
| 5       | Heptane, 4-methyl-    |              | 114 | C8H18   | 000589-53-7 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\  
Data File : VL036667.D  
Acq On : 3 Apr 2021 5:15  
Operator : SY/AP  
Sample : M1834-01 1200X  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021

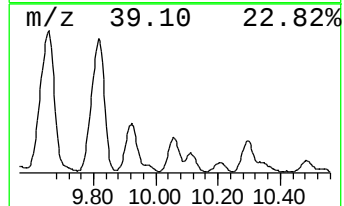
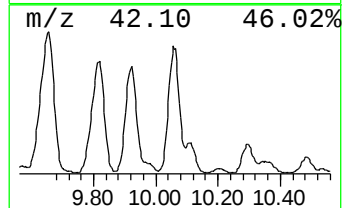
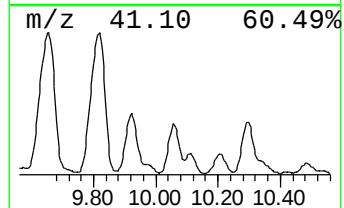
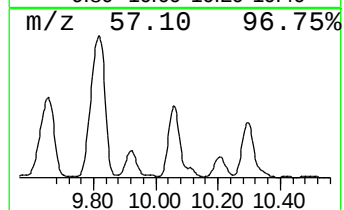
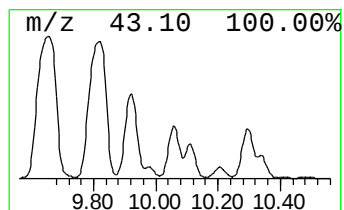
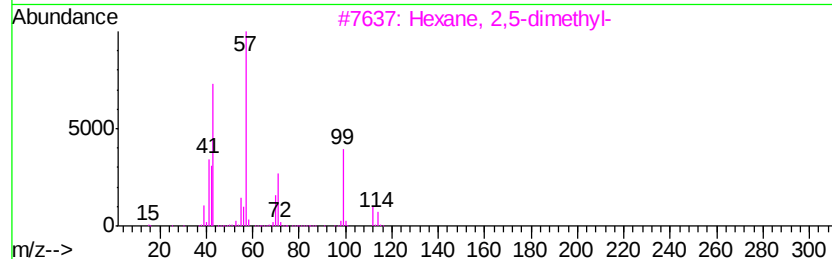
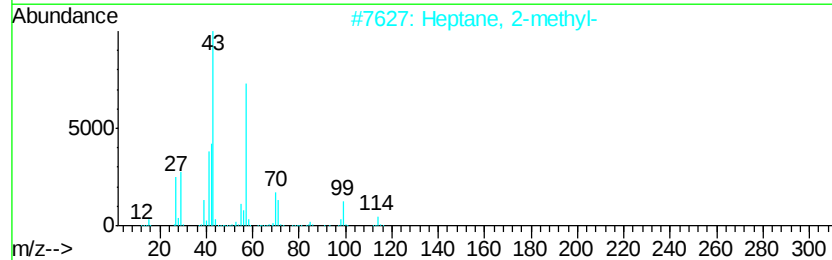
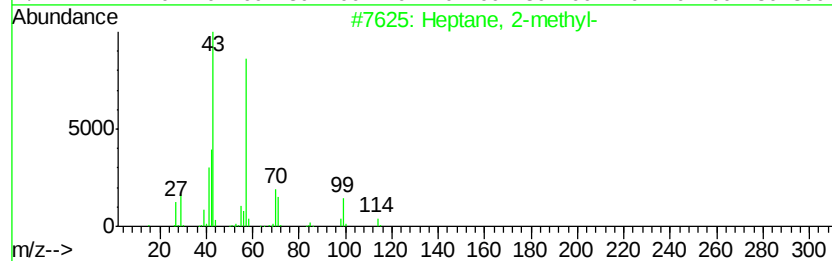
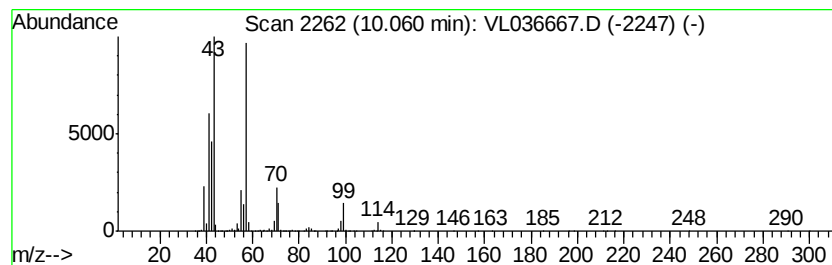
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Heptane, 2-methyl- Concentration Rank 10

| R.T.  | EstConc    | Area     | Relative to ISTD | R.T.  |
|-------|------------|----------|------------------|-------|
| 10.06 | 21.04 ppbv | 26632500 | Chlorobenzene-d5 | 12.07 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptane, 2-methyl-    | 114 | C8H18   | 000592-27-8 | 91   |
| 2    |    | Heptane, 2-methyl-    | 114 | C8H18   | 000592-27-8 | 80   |
| 3    |    | Hexane, 2,5-dimethyl- | 114 | C8H18   | 000592-13-2 | 72   |
| 4    |    | Heptane, 2-methyl-    | 114 | C8H18   | 000592-27-8 | 64   |
| 5    |    | 2-Piperidinone        | 99  | C5H9NO  | 000675-20-7 | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\  
Data File : VL036667.D  
Acq On : 3 Apr 2021 5:15  
Operator : SY/AP  
Sample : M1834-01 1200X  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

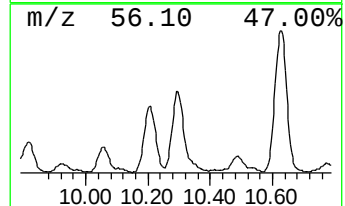
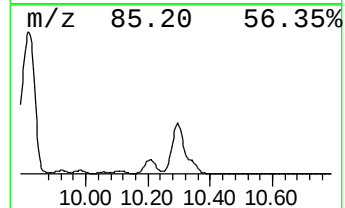
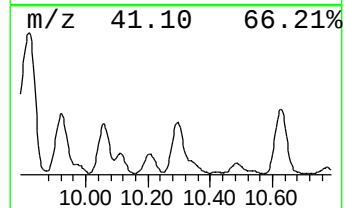
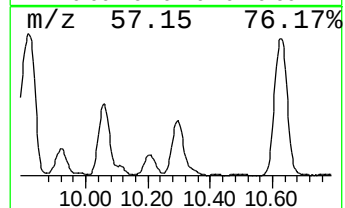
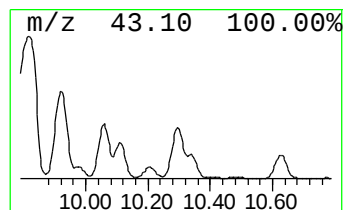
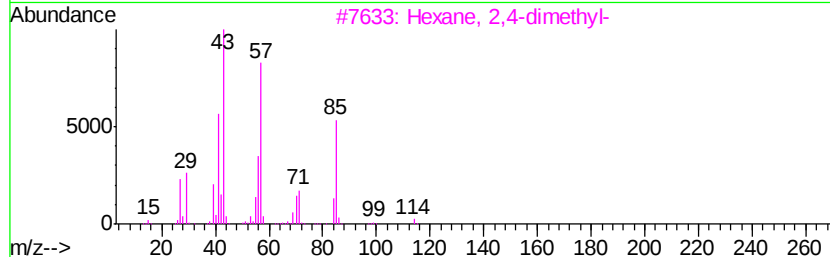
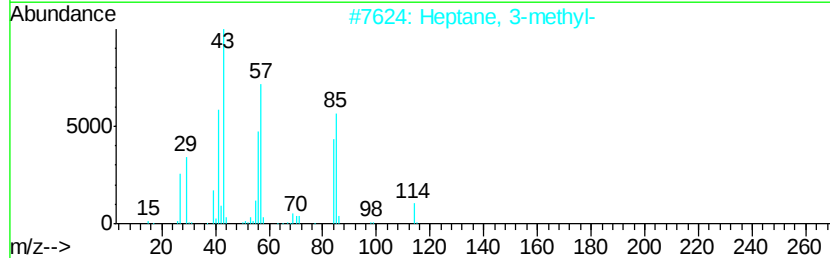
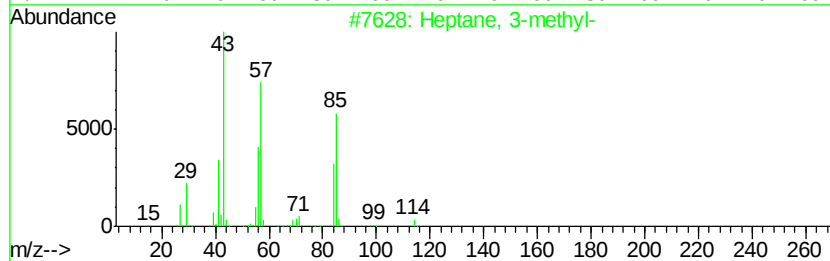
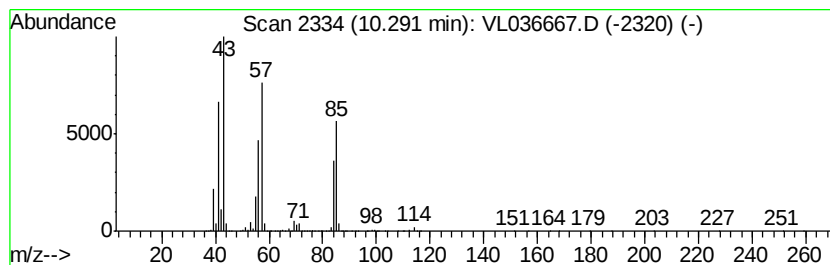
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Heptane, 3-methyl- Concentration Rank 8

| R.T.    | EstConc                  | Area         | Relative to ISTD | R.T.      |
|---------|--------------------------|--------------|------------------|-----------|
| 10.29   | 21.76 ppbv               | 27547400     | Chlorobenzene-d5 | 12.07     |
| Hit# of | 5                        | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Heptane, 3-methyl-       | 114 C8H18    | 000589-81-1      | 91        |
| 2       | Heptane, 3-methyl-       | 114 C8H18    | 000589-81-1      | 83        |
| 3       | Hexane, 2,4-dimethyl-    | 114 C8H18    | 000589-43-5      | 68        |
| 4       | Hexane, 2,4-dimethyl-    | 114 C8H18    | 000589-43-5      | 64        |
| 5       | Hexane, 2,3,3-trimethyl- | 128 C9H20    | 016747-28-7      | 59        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\  
Data File : VL036667.D  
Acq On : 3 Apr 2021 5:15  
Operator : SY/AP  
Sample : M1834-01 1200X  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

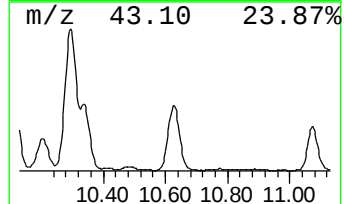
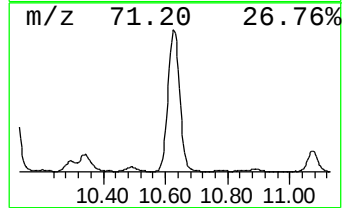
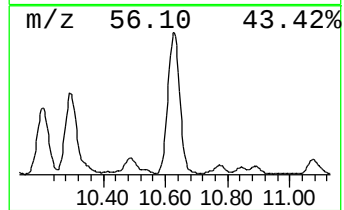
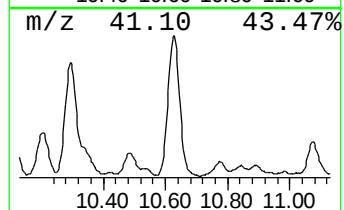
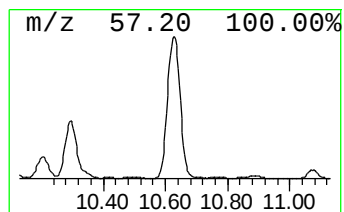
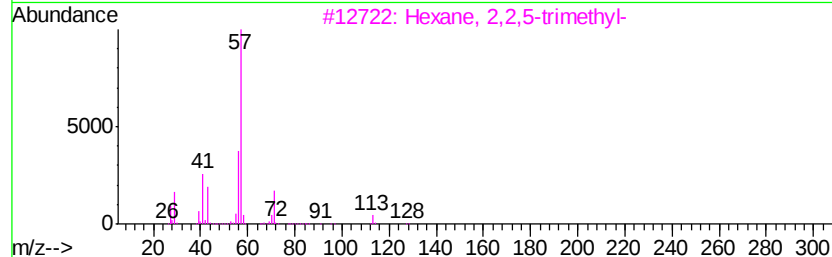
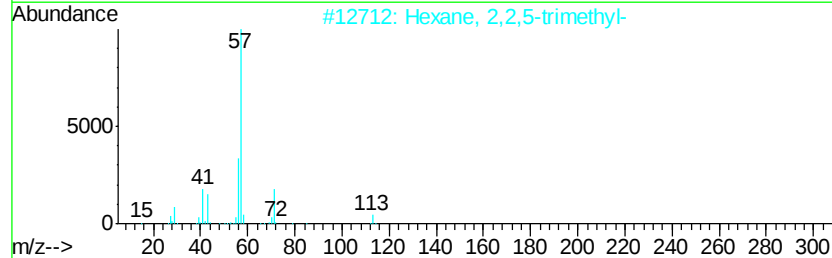
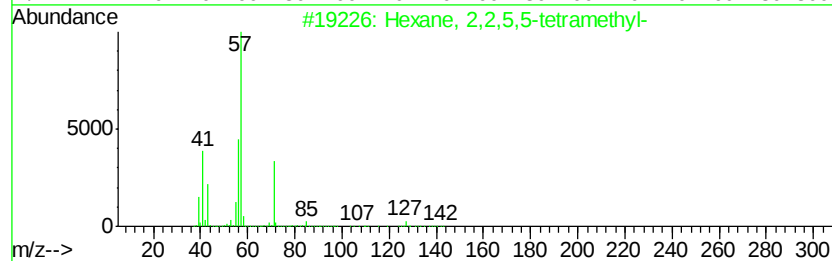
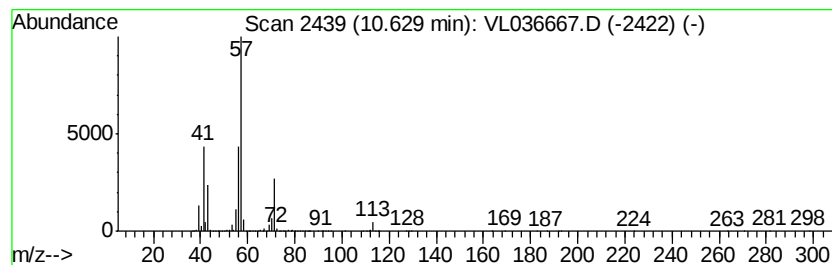
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Hexane, 2,2,5,5-tetramethyl- Concentration Rank 3

| R.T.      | EstConc                      | Area     | Relative to ISTD | R.T.        |      |
|-----------|------------------------------|----------|------------------|-------------|------|
| 10.63     | 28.02 ppbv                   | 35471200 | Chlorobenzene-d5 | 12.07       |      |
| Hit# of 5 | Tentative ID                 | MW       | MolForm          | CAS#        | Qual |
| 1         | Hexane, 2,2,5,5-tetramethyl- | 142      | C10H22           | 001071-81-4 | 78   |
| 2         | Hexane, 2,2,5-trimethyl-     | 128      | C9H20            | 003522-94-9 | 78   |
| 3         | Hexane, 2,2,5-trimethyl-     | 128      | C9H20            | 003522-94-9 | 72   |
| 4         | Hexane, 2,2,4-trimethyl-     | 128      | C9H20            | 016747-26-5 | 72   |
| 5         | Heptane, 2,2-dimethyl-       | 128      | C9H20            | 001071-26-7 | 64   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL040221\  
Data File : VL036667.D  
Acq On : 3 Apr 2021 5:15  
Operator : SY/AP  
Sample : M1834-01 1200X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL032521AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response  | --Internal Standard-- |       |           |      |
|----------------------|-------|---------|-------|-----------|-----------------------|-------|-----------|------|
|                      |       |         |       |           | #                     | RT    | Resp      | Conc |
| Cyclopropene         | 3.86  | 26.1    | ppbv  | 320581000 | 1                     | 5.65  | 122790000 | 10.0 |
| Hexane, 2-methyl-    | 7.27  | 24.5    | ppbv  | 104650000 | 2                     | 7.17  | 42710000  | 10.0 |
| Pentane, 2,3-dime... | 7.34  | 25.6    | ppbv  | 109196000 | 2                     | 7.17  | 42710000  | 10.0 |
| Hexane, 3-methyl-    | 7.50  | 27.1    | ppbv  | 115907000 | 2                     | 7.17  | 42710000  | 10.0 |
| Hexane, 1-(hexylo... | 9.13  | 21.5    | ppbv  | 91692600  | 2                     | 7.17  | 42710000  | 10.0 |
| Pentane, 2,3,4-tr... | 9.65  | 101.1   | ppbv  | 128048000 | 3                     | 12.07 | 12661000  | 10.0 |
| Hexane, 2,3-dimet... | 9.92  | 33.5    | ppbv  | 42411000  | 3                     | 12.07 | 12661000  | 10.0 |
| Heptane, 2-methyl-   | 10.06 | 21.0    | ppbv  | 26632500  | 3                     | 12.07 | 12661000  | 10.0 |
| Heptane, 3-methyl-   | 10.29 | 21.8    | ppbv  | 27547400  | 3                     | 12.07 | 12661000  | 10.0 |
| Hexane, 2,2,5,5-t... | 10.63 | 28.0    | ppbv  | 35471200  | 3                     | 12.07 | 12661000  | 10.0 |